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Negatively chargeable toner for electrophotography - comprises binding agent copolymer of polystyrene and polyacrylic polyester copolymer of sulphonic acid and e.g. carboxyl monomer and colouring agent

Patent Assignee: FUJIKURA LTD (FUJD )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 3056974	A	19910312	JP 89191316	A	19890726	199116 B
JP 2807795	B2	19981008	JP 89191316	A	19890726	199845

Priority Applications (No Type Date): JP 89191316 A 19890726

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 3056974	A		7		
JP 2807795	B2		8	G03G-009/087	Previous Publ. patent JP 3056974

Abstract (Basic): JP 3056974 A

Toner is composed of (A) binding agent composed of the copolymer of styrene and/or alpha-methyl styrene, and (meth)acrylic acid alkyl ester, (B) 2-10 pts. wt. to 100 pts. wt. of the binding agent, of the copolymer of 2,000-15,000 Mw, composed of (a) 2-acrylamide-2-methyl propane sulphonic acid, (b) carboxyl gp.-contg. polymerisable monomer, (c) styrene and/or alpha-methyl styrene, and (d) hydroxyl gp.-contg. polymerisable monomer by the wt. ratio of (a):(b) = 95:5-70:30, (a) and (b):(c) = 3:97-20:80, and (a),(b) and (c):(d) = 100:0.5-2.0, and (a) and (b):(d) = 100:less than 20, and (C) colouring agent.

USE/ADVANTAGE - The toner is superior in charging property and electrophotographic property can be obtd. The charging property is hardly altered by the change in environmental condition. Clear colour toner can be obtd. (7pp Dwg.No 0/0)

Title Terms: NEGATIVE; CHARGE; TONER; ELECTROPHOTOGRAPHIC; COMPRISE; BIND; AGENT; COPOLYMER; POLYSTYRENE; POLYACRYLIC; POLYESTER; COPOLYMER; SULPHONIC; ACID; CARBOXYL; MONOMER; COLOUR; AGENT

Derwent Class: A89; G08; P84; S06

International Patent Class (Main): G03G-009/087

International Patent Class (Additional): G03G-009/08; G03G-009/097

File Segment: CPI; EPI; EngPI

Manual Codes (CPI/A-N): A04-A; A04-C04; A04-C05; A04-D04A1; A04-F01A;

A12-L05C2; G06-G05

Manual Codes (EPI/S-X): S06-A04C1

Plasdoc Codes (KS): 0037 0203 0218 0231 0306 0307 0320 0321 0405 0495 0496  
0502 0503 0643 1411 2585 2806 2808

Polymer Fragment Codes (PF):

\*001\* 014 034 04- 040 05- 055 056 058 074 075 076 077 079 081 086 104 155  
157 27& 28& 546 575 583 589 609 658 659 725